

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/015870 A1**

(51) International Patent Classification<sup>7</sup>: **H04L 29/06**,  
29/12

(21) International Application Number:  
PCT/EP2003/008553

(22) International Filing Date: 1 August 2003 (01.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET LM ERICSSON** (publ)  
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DE-POORTER**,  
Antoine [NL/ES]; C/Bahia de Mahon 12-1D, E-28042  
Madrid (ES). **MAS ROSIQUE**, Maria, Luisa [ES/ES];  
C/Malcampo 4, 3<sup>o</sup>F, E-28002 Madrid (ES). **PALLARES**  
**LOPEZ**, Miguel, Angel [ES/ES]; C/San Maximiliano 7,  
3<sup>o</sup>D, E-28017 Madrid (ES).

(74) Agent: **TONSCHEIDT**, Andreas; Ericsson Eurolab  
Deutschland GmbH, Ericsson Allee 1, 52134 Herzogen-  
rath (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,

MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

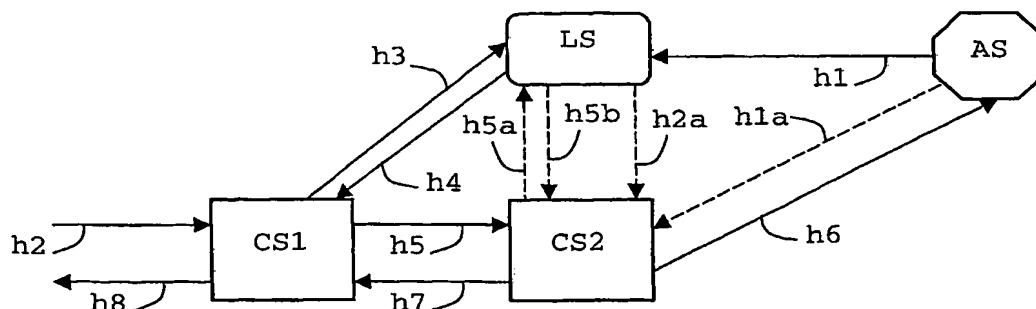
— as to applicant's entitlement to apply for and be granted  
a patent (Rule 4.17(ii)) for the following designations AE,  
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,  
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,  
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT,  
RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR),  
OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG)

**Published:**

— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ROUTING A SERVICE REQUEST



(57) Abstract: A method and an apparatus for routing a service request in a telecommunications system. A location server (LS) stores a service identifier (SID) which identifies a service hosted in an application server (AS) and addressing information (AI) usable for routing a service request (f2,g3,h2) towards the application server. The addressing information can comprise an address of the application server, or an address of a communication server which can intervene in the signaling of said service. Before providing the addressing information, the location server checks a usage rule (UR) determining if said addressing information can be used for routing. The routing of a service request can be blocked (f6,g5,h7,h8) if said check is not passed. The usage rule can alternatively be downloaded (g2,h2a,h5b,f1a,g1a,h1a) in a communication server (CS) and be checked there, and can comprise one or more use conditions (T1,T2,T3,M,U) that can be determined by the concerned application server.

WO 2005/015870 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*